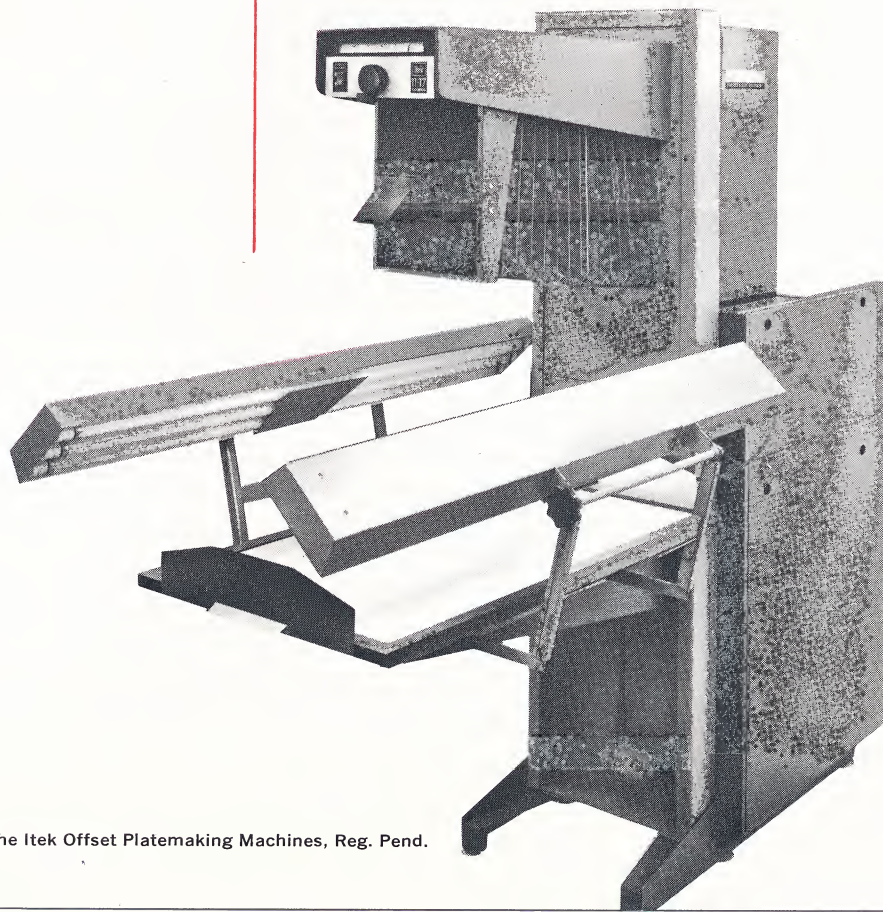


# The Itek Platemaster<sup>®</sup> Unit

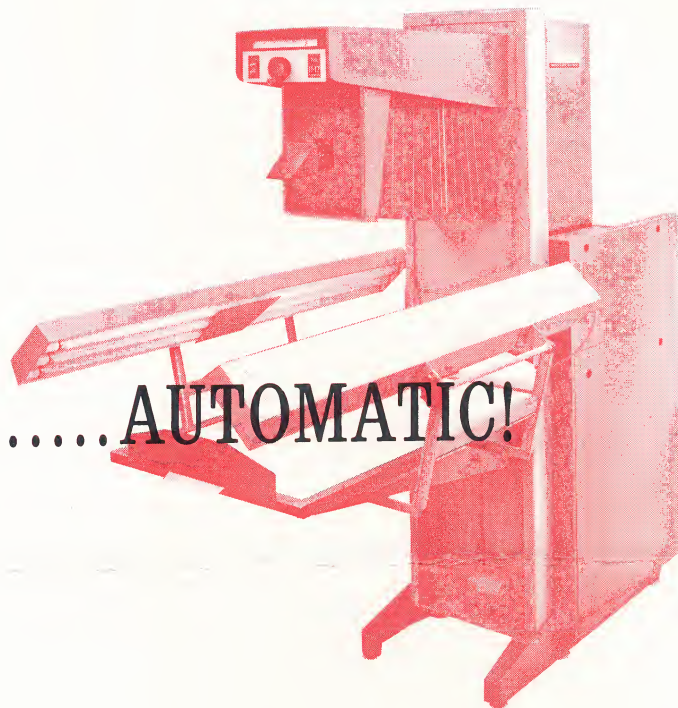
**MODERN WAY TO PRODUCE TOP-QUALITY OFFSET PLATES**

## AUTOMATICALLY





# The Itek Platemaster Unit.....AUTOMATIC!



## JUST PRESS THE BUTTON!

Using an Itek Platemaster unit, you get top-quality offset plates at the touch of a button. Plates are exposed and processed automatically at the rate of two ready-to-use plates per minute.



Think of the time and labor this dramatic equipment will save you, on printed and duplicated material of all sorts: letters, charts, price books, instruction manuals, proposals, proofs, circulars, drawings,

parts lists. For example, using the 11•17R Plate-master unit, you can produce the plates for a 40-page report in only ten minutes.

Four models are available. One is bound to meet your needs to a "T."

## SIX REASONS WHY...

More than a thousand offset users have selected Itek Platemasters in the past eighteen months:

**SPEED** Twice as fast as previous processes of comparable quality.

**QUALITY** Uses a **Silver-Emulsion** process unequalled for clean, sharp, high-fidelity reproduction. Plates need no retouching, run 5,000 to 10,000 excellent copies or more.

**ECONOMY** Drastically reduces labor costs. Compares with metal plates in quality, but requires no negative. Makes photo-reduction easy, thus saving paper, running time, bindery costs, filing space and mailing expense.

**CLEANLINESS** Completely automatic operation. No handling of the plate required until it's put on the press or duplicator.

**CONVENIENCE** Makes it **easy** to produce beautiful offset reproductions, even from patched-up originals.

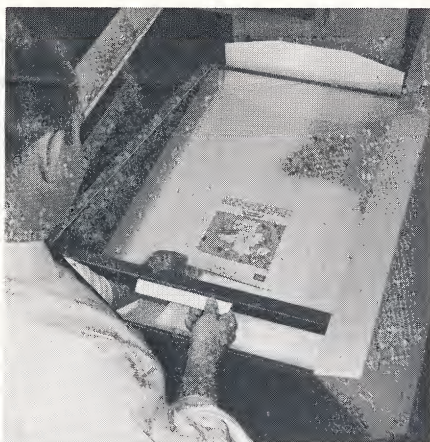
**VERSATILITY** True to its name, the Itek Platemaster unit is a real master on a wide variety of work.



## ADVANCED FEATURES AVAILABLE ON Itek Platemaster UNITS:

### NEW ROLLER CONVEYOR SYSTEM

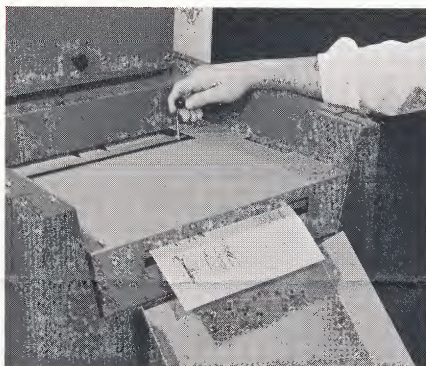
A new roller-frame conveyor system, now standard on all Itek Platemaster models, assures utmost efficiency and economy in the use of processing supplies. System incorporates automatic heat control and solution replenisher system.



### SUBJECT-HOLDER AND LIGHTS

Open, horizontal subject-holder and green fluorescent graphic-arts type lighting. Permits complete freedom of application and provides illumination ideally suited for production of highest quality silver-emulsion plates. Subject-holder is glass-covered, front-opening. It contains a chart

outlining exposure areas at various percentages of reduction or enlargement from 50% to 110%.



Itek Platemaster, RD model, produces plates that are storage dry . . .



. . . or moist and ready to run.

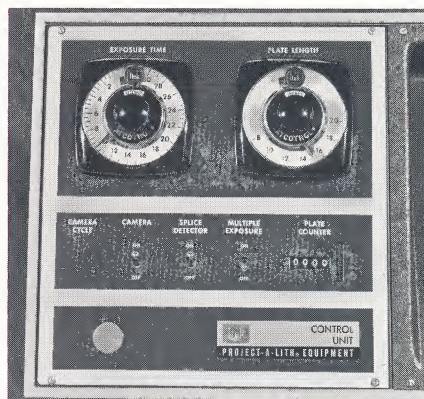
### AUTOMATIC PLATE DRY-ER\*

Dry, ready-to-store plates

are produced on Platemaster RD models. If a moist, ready-to-run plate is desired, the operator simply flips back a lever. This selective feature is exclusive in Itek Platemaster units.

### CONTROL PANEL

Controls are within easy reach. Normal operation requires use of only the exposure button. For varied applications, control panel provides, in addition, a multiple-exposure switch, plate length selector, exposure timer, camera-cycle light, camera on-off switch, splice indicator switch and plate counter.



Exposure timer is of the plug-in type, and resets automatically. It is graduated from 0 to 30 seconds in increments of 1/2 second.

\*In large-volume operations, this feature alone eliminates twenty hours labor per week, customers tell us.

## OTHER STANDARD FEATURES... ALL MODELS:

**Lens, Prism and Shutter:** All of these are mounted on a removable lens plate. Process lens, coated and precision ground for flat-field copying is employed. Shutter is automatically activated by rotary solenoid.

**Front Focusing:** Achieved by raising or lowering subject-holder by means of a motor-driven mechanism. A scale, inset in the camera-stand, shows in increments of 1% the reduction or enlargement resulting from position of subject-holder.

**Back Focusing:** Accomplished by moving lens-board forward or backward. Control for this purpose, together with percentage scale, conveniently located at the front of the Platemaster unit.

**Roller Curtain:** Permits subtraction from long dimension of focal plane; also completely shields sensitized material when magazine is open.

**Ground Glass:** Permits visual focusing.

**Magazine:** Hinge-mounted on back of camera-stand, permitting easy opening for changing rolls or for visual focusing with ground glass. Spool-holders within magazine are mounted on adjustable trunions so that rolls of varying width may quickly be centered.

**Covers:** Completely panelized for easy access to all parts of the Platemaster. All moving parts attractively enclosed. Each cover section may easily be lifted off.



# The Itek Platemaster Unit...

## OPTIONAL EQUIPMENT

**Microfilm Enlarger Attachment:** Swivel-mounted on front frame, the attachment is easily swung into position. The following models are available: (1) for 16mm roll film; (2) for 35mm roll film; (3) for 35mm roll film or aperture cards; (4) for acetate jackets and roll film. Included with Enlarger are: (1) special lens plate with solenoid, shutter and mirror assembly; (2) image identification and positioning screen; (3) addition, to control panel, of enlarger on-off switch and rheostat for varying intensity of projection illumination.

## OPERATIONAL DATA... ALL MODELS

**Range in focusing scale:** 50% to 110%.

**Rate of Production:** 2 per minute or more.

**First Plate Delivery:**

**Press-ready Plates:** 1 min. after completion of exposure.

**Storage-dry Plates:** 1¼ min. after completion of exposure.

**Chemical Capacity Working Strength:** 3½ gal. activator; 3½ gal. stop-bath.

**Water Supply Required:** None.

## SPECIFICATIONS 10•15R & 10•15RD PLATEMASTER UNITS

**Plate Size:** Max., 10" x 20"; Min. length 8"

**Image Area:** Max., 10" x 14"

**Original:** Max., 20" x 28"

**Lights:** Two sets of four 42" Slimlines in master reflectors, mounted on subject-holder.

**Floor Space:** 48" x 78"

**Height:** 71"

**Weight:** Gross, 1180 lbs., Net, 765 lbs.

**Codes:** 10•15R-41148; 10•15RD-41149.

## SPECIFICATIONS 11•17R & 11•17RD PLATEMASTER UNITS

**Plate Size:** Max., 11" x 20"; Min length 10"

**Image Area:** Max., 11" x 17"

**Original:** Max., 22" x 34"

**Lights:** Two sets of three 48" high-output T-12 fluorescent lights in master reflectors, mounted on subject-holder by means of two-position brackets.

**Floor Space:** 54" x 84"

**Height:** 78"

**Weight:** Gross, 1230 lbs., Net, 815 lbs.

**Codes:** 11•17R-41151; 11•17RD-41152

## SPECIAL SPECIFICATIONS... ALL RD PLATEMASTER MODELS

**Plate-Delivery Mechanism:** Press-ready plates deposited in tray on top processor-cover. Storage-dry plates stacked in vertical chute on back processor-cover. See illustrations within.

**Dryer:** Electrically-heated drum with Saran belt conveyor and warm-air blower.

**Electrical Requirements:** 110 V., 30 amp., A.C. Customer to supply grounded, single-phase, 30 amp. line to the machine.

**Note:** Model R units have electrical requirements as follows: 110 V., 15 amp., A.C.

## EXPORT MODELS

Same specifications as domestic models except that they are wired for 50 cycle current.

**Codes:** 10•15RE-41153; 10•15RED-41155;  
11•17RE-41154; 11•17RED-41156.



**Itek Business Products**

ROCHESTER, NEW YORK 14603